

Studies on EGG and gastrointestinal hormones in non-ulcerative dyspepsia patients

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Author contributions: The author solely contributed to the work.

Original title: *China National Journal of New Gastroenterology* (1995-1997) renamed *World Journal of Gastroenterology* (1998-).

Received: August 11, 1995
Revised: January 31, 1996
Accepted: March 1, 1996
Published online: September 15, 1996

Abstract

AIM: Non-ulcerative dyspepsia (NUD) is a common clinical disease. More attention has been drawn on the role of disturbance of upper digestive tract motility and gastrointestinal hormones in the NUD pathogenesis.

METHODS: In present study, 27 cases were diagnosed (to the criteria of Delmente), male 17, female 10, age 26-72 and mean 45.8 ± 7.3. All cases were examined with WCDF-2B electrogastrograph.

RESULTS: In typical group, 72.2% (11/18) showed tachykinesia, in which 50% were allorhythmia. In non typical group, 66.7% were bradykinesia or allorhythmia.

CONCLUSION: Our results suggested that tachykinesia occurred more frequently in typical group while bradykinesia in non typical group, usually accompanied with allorhythmia. The plasma motilin level was lower than that of the normal control group, while cholecystokinin (CCK) was higher, which is consistent with the hypothesis that the secretory disturbance of the two types of gastrointestinal hormones which promote or inhibit the gastric motility may be the important pathogenic factors of NUD.

Key words: EGG; Gastrointestinal hormones; Non-ulcerative dyspepsia patients

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Chen ZQ. Studies on EGG and gastrointestinal hormones in non-ulcerative dyspepsia patients. *World J Gastroenterol* 1996; 2(Suppl1): 78 Available from: URL: <http://www.wjgnet.com/1007-9327/full/v2/iSuppl1/78.htm> DOI: <http://dx.doi.org/10.3748/wjg.v2.iSuppl1.78>

E- Editor: Liu WX



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